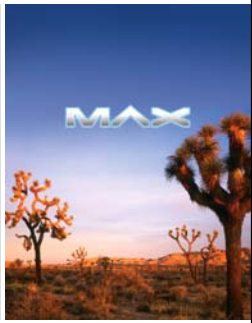


MAX 2006 Beyond Boundaries

Sue Hove
Sr. Mgr Instructor Readiness
Building Database Powered Applications
with Dreamweaver and ColdFusion
Adobe Systems Incorporated



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Assumptions

- You have little to no experience using the codegen features of DW MX

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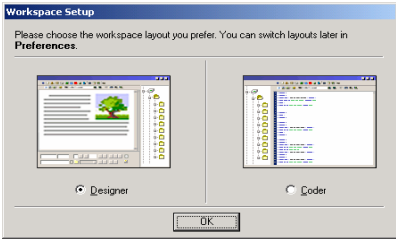
Topics

- Getting familiar with DW 8
- Creating a Site
- Creating your First Page
- Using the Database Panel
- Creating Bindings (recordsets)
- Using Live Data View
- Adding Recordset Navigation
- Formatting Data
- Creating Master/Detail Interfaces
- Performing Record Insertion/Update

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Dreamweaver 8


- Upon first launch, choice of Designer or Coder workspace



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Start Page

- When no page is open, you will see Start Page



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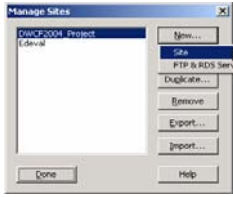
Windows Designer Workspace



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Creating a Site

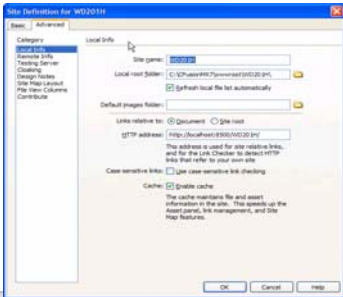
- Sites enable full management of all files within a site
- Create a Dreamweaver site
 - Create a folder where you want your files (root folder)
 - Select Site → Manage Sites
 - Select New → Site



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Setting up a Site: Advanced Mode

- Using Advanced mode



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Setting Up a Site: Local Info

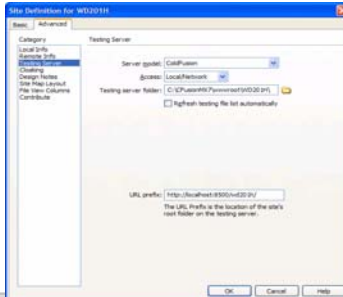
- Local Info

Site Name	The name of your site.
Local Root Folder	The location on your hard drive of the folder containing your site files.
Refresh Local File List Automatically	When this option is selected, Dreamweaver updates the site list whenever you add a new file to the site folder. If you don't select this option, you'll need to refresh the local files manually.

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Setting up a Site: Testing Server

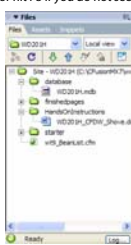
- Testing Server category



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Files Panel

- Once a site is created, all folders and files shown in the Files Panel
 - Choose Windows → Files or hit F8 if you do not see the Files Panel



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Exercise 1

- Launch Dreamweaver and create a site
 - Files can be found on desktop in WD201H folder

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Creating Your First Page

- Create a new page in several ways:
 - Click page type under Create New on Start Page
 - Select File → New
 - Choose New File icon on Common category of Insert bar

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Setting the Page Title

- Title displays in browser title bar
- Used in search engines
- Change in document toolbar

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Development Views

- Three development views
 - Design View
 - Split View
 - Code View

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Saving Your Page

- Save your page
 - Standard toolbar (turn on under View → Toolbars → Standard)
 - CTRL-S
 - File → Save

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Previewing Your Page

- Preview your pages in an external browser
- For CF pages, turn off temporary files
- Edit → Preferences
 - Preview in Browser category
 - Uncheck Preview using temporary file

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Preview Shortcut Keys

- Browse using either:
 - Choose File → Preview in Browser and select a browser from the list
 - F12
 - Preview in Browser icon on document toolbar (globe)

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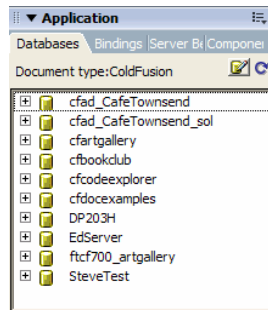
Exercise 2

- Creating your first page

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Using the Database Panel

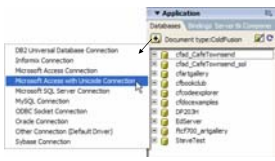
- Database Panel enables you to:
 - View datasources
 - View table schema
 - View table data (right-click)



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Creating a Datasource


- A Datasource is a pointer to a Database
- You can create most connections using plus sign on Databases panel



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Creating a Microsoft Access datasource

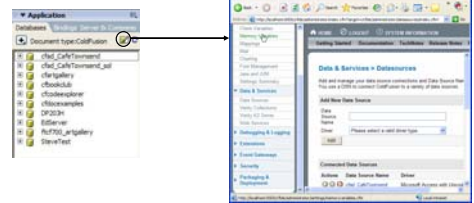
- Fill in the:
 - CF Data Source Name – this is how you'll refer to the database in your ColdFusion pages
 - Database File – the path and name of the .mdb file
 - Does not allow you to browse for the file; copy from File Explorer to make it easier
 - Optional Description



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Using the ColdFusion Administrator

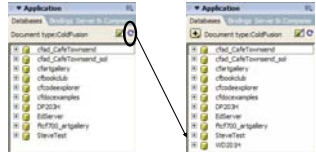
- You can also specify data sources in the CF Admin
- From Dreamweaver, choose Modify Datasources
 - Login to the CF Admin



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Database Panel

- After you create a new datasource, return to Dreamweaver and click the Refresh button to see the datasource



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Creating a Recordset (Query)

- To create a Recordset (aka Query)
 - Use Bindings tab of Application Panel Group
 - Click the Plus sign
 - Choose Recordset (Query)

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Using the Recordset Builder

- Recordset builder
 - Simple mode
 - Advanced mode

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Testing a Recordset

- Always test recordsets
 - Click Test button

Bean_ID	Bean_Name	Bean_Description
1	Cubita	Cubita Coffee is sun dried and hand sorted. It originates from an elevation of over 2000 meters in the Andes Mountains of Ecuador, which is located closest to the sun on the Equator. Superb aroma and rich Flavor.
2	Colombian Supreme	The premium, 100% Robusta coffee. It originates from the Andes Mountains of Ecuador, which is located closest to the sun on the Equator. Superb aroma and rich Flavor.
3	Arabica Supreme	The premium, 100% Arabica coffee. It originates from the Andes Mountains of Ecuador, which is located closest to the sun on the Equator. Superb aroma and rich Flavor.
4	Colombian Supreme	The premium, 100% Robusta coffee. It originates from the Andes Mountains of Ecuador, which is located closest to the sun on the Equator. Superb aroma and rich Flavor.
5	Arabica Supreme	The premium, 100% Arabica coffee. It originates from the Andes Mountains of Ecuador, which is located closest to the sun on the Equator. Superb aroma and rich Flavor.
6	Colombian Supreme	The premium, 100% Robusta coffee. It originates from the Andes Mountains of Ecuador, which is located closest to the sun on the Equator. Superb aroma and rich Flavor.
7	Arabica Supreme	The premium, 100% Arabica coffee. It originates from the Andes Mountains of Ecuador, which is located closest to the sun on the Equator. Superb aroma and rich Flavor.
8	Colombian Supreme	The premium, 100% Robusta coffee. It originates from the Andes Mountains of Ecuador, which is located closest to the sun on the Equator. Superb aroma and rich Flavor.
9	Arabica Supreme	The premium, 100% Arabica coffee. It originates from the Andes Mountains of Ecuador, which is located closest to the sun on the Equator. Superb aroma and rich Flavor.
10	Colombian Supreme	The premium, 100% Robusta coffee. It originates from the Andes Mountains of Ecuador, which is located closest to the sun on the Equator. Superb aroma and rich Flavor.
11	Arabica Supreme	The premium, 100% Arabica coffee. It originates from the Andes Mountains of Ecuador, which is located closest to the sun on the Equator. Superb aroma and rich Flavor.
12	Colombian Supreme	The premium, 100% Robusta coffee. It originates from the Andes Mountains of Ecuador, which is located closest to the sun on the Equator. Superb aroma and rich Flavor.
13	Arabica Supreme	The premium, 100% Arabica coffee. It originates from the Andes Mountains of Ecuador, which is located closest to the sun on the Equator. Superb aroma and rich Flavor.
14	Colombian Supreme	The premium, 100% Robusta coffee. It originates from the Andes Mountains of Ecuador, which is located closest to the sun on the Equator. Superb aroma and rich Flavor.
15	Arabica Supreme	The premium, 100% Arabica coffee. It originates from the Andes Mountains of Ecuador, which is located closest to the sun on the Equator. Superb aroma and rich Flavor.
16	Colombian Supreme	The premium, 100% Robusta coffee. It originates from the Andes Mountains of Ecuador, which is located closest to the sun on the Equator. Superb aroma and rich Flavor.
17	Arabica Supreme	The premium, 100% Arabica coffee. It originates from the Andes Mountains of Ecuador, which is located closest to the sun on the Equator. Superb aroma and rich Flavor.
18	Colombian Supreme	The premium, 100% Robusta coffee. It originates from the Andes Mountains of Ecuador, which is located closest to the sun on the Equator. Superb aroma and rich Flavor.
19	Arabica Supreme	The premium, 100% Arabica coffee. It originates from the Andes Mountains of Ecuador, which is located closest to the sun on the Equator. Superb aroma and rich Flavor.
20	Colombian Supreme	The premium, 100% Robusta coffee. It originates from the Andes Mountains of Ecuador, which is located closest to the sun on the Equator. Superb aroma and rich Flavor.

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Displaying Recordsets

- Once you create the Recordset, it is shown in Bindings Panel
 - Only queries for current page

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Displaying First Row Data

- Drag recordset columns onto your page
 - Inserts <cfoutput> tag that prints out the first row's column value

```

10
11 <body>
12 <cfoutput> #qProducts.ProductID#</cfoutput>
13 <cfoutput>#qProducts.Description#</cfoutput>
14 </body>

```

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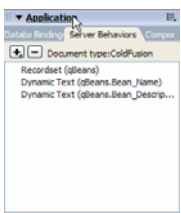
Live Data View

- Use Live Data View to display dynamic values in Design View
 - Enables automatic refreshing
 - Enables supplying URL or FORM variables for testing
 - NOT like a browser (hyperlinks won't work)

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Server Behaviors

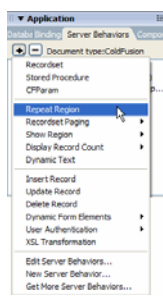
- Stored "bits" of code for common tasks
 - Since you've chosen ColdFusion, the code is CFML
- Found in Server Behaviors Panel in Application panel group



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Adding a Repeat Region SB

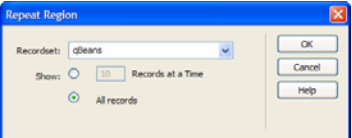
- Click "+" to add server behaviors
- Repeat region
 - Display all rows in a recordset
 - Select "repeating" data
 - Apply Repeat Region



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Repeat Region SB

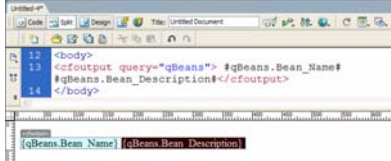
- Choose from recordsets on page
- Choose to display
 - X records at a time
 - All records



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Repeat Region SB


- The result is a <cfoutput query> loop around the displayed variables, thus displaying all rows



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Application Objects


- Application objects are wizards that build functionality of several server behaviors
- Application tab of Insert Bar
 - Dynamic table
 - Shortcut to <cfoutput query>



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Dynamic Table Formatting

- Dynamic table formatting
 - Show All Records or Show X at a time



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Dynamic Table Formatting

- Resulting <cfoutput query> loop

```

13 <table border="1" cellpadding="3" cellspacing="3">
14 <tr>
15 <td>Bean_Name</td>
16 <td>Bean_Description</td>
17 </tr>
18 <cfoutput query="qBeans">
19 <tr>
20 <td>#qBeans.Bean_Name#</td>
21 <td>#qBeans.Bean_Description#</td>
22 </tr>
23 </cfoutput>

```

Bean_Name	Bean_Description
{qBeans.Bean_Name}	{qBeans.Bean_Description}

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Other Recordset Server Behaviors

- Show Region
 - If Recordset is Empty
 - If Recordset is Not Empty
 - If First Page
 - If Not First Page
 - If Last Page
 - If Not Last Page

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Exercise 3

- Create a recordset
- Display a dynamic table
- View the results in Live Data View

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Formatting Data

- To format a column's data:
 - Select a piece of dynamic text
 - Drop down Format column of Bindings panel
 - Choose a formatting type
- Currency uses LSCurrencyFormat()
- You may need to expand the Application panel group to see the format option

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Exercise 4

- Format data

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Recordset Navigation Status


- Useinserts "Records 1 of 2 of 4" message

ProductID	Description	Price
1	Hat	9.99
2	Gloves	12.99

Records 1 to 2 of 4

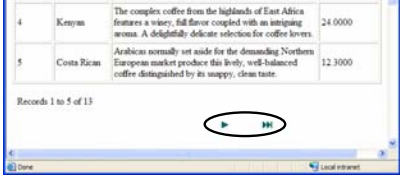
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Using Recordset Navigation Status

- Application category of Insert Bar
 
- Choose the recordset
 

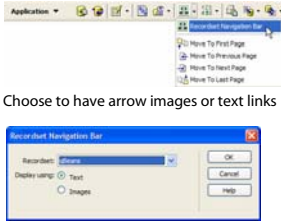

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Recordset Navigation Bar

- When you've chosen to only show X rows at a time
 - Repeat region server behavior
 - Dynamic table Application Object
- Inserts First, Next, Previous and Next images or text hyperlinks
 

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Using Recordset Navigation Bar

- Application category of Insert bar
 
- Choose to have arrow images or text links
 

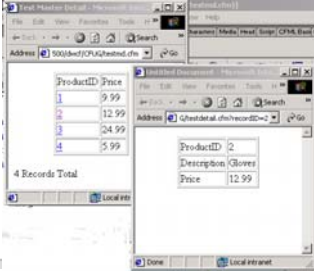
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Exercise 5

- Adding recordset navigation


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Master/Detail Page Set

- Displays master query results in a table
- Creates detail page for details of record
 

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Using Master/Detail Page Set

- First step in a m/d interface is to create a page with a recordset
 - Select ALL columns for both master and detail pages
 - Use Application tab's Master Detail Page Set application object
 

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Setting Master/Detail Page Fields

- Set master and detail fields

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Exercise 6

- Create a master-detail page set

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Inserting Rows into a Table

- Two ways:
 - Use Recordset Insertion Form Application Object
 - Creates form and insert logic
 - Create a form and use Insert Record Server Behavior

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Recordset Insertion Form AO

- Creates form and insert logic

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Using Recordset Insertion Form AO

- Choose Insert bar, Application category, Recordset Insertion Form wizard toolbar item

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Recordset Insertion Form AO Dialog


- Fill in dialog

Column	Label	Display As	Default As
Bean_name	name	Text Field	Text
Bean_descr...	Bean_Description...	Text Field	Text
Bean_per_unit	Price_Per_Unit	Text Field	Number

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Form Validation

- Behaviors:
 - Behaviors – client-side JavaScript
 - Server Behaviors – server-side code (here, CFML)
- View Behaviors panel: Window > Behaviors
- Add form validation
 - Click + on Behaviors panel
 - Choose Validate Form



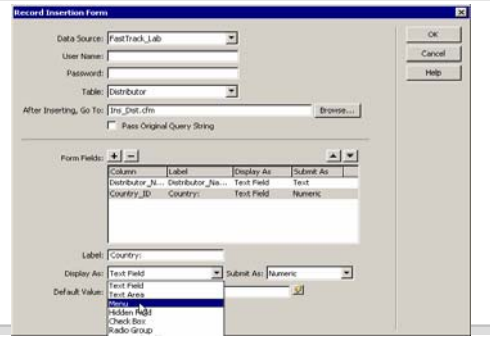
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Dynamic Form Elements

- When inserting where a column's value must come from another table
 - Create a recordset for that data
 - Example: query all available countries for inserting a distributor
 - Use the Recordset Insertion AO and change the Display As to "Menu"
 - Click the Menu Properties button
 - Choose the recordset to dynamically populate the form menu

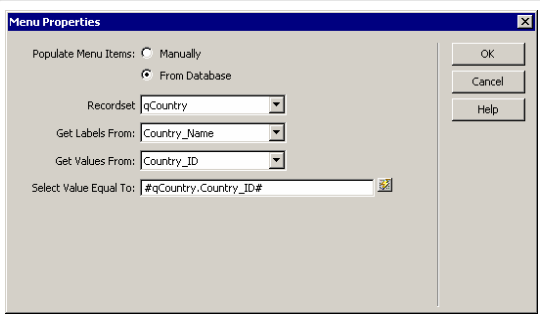
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Using Dynamic Form Elements



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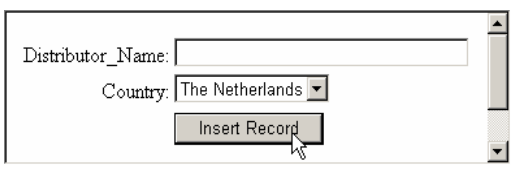
Dynamic Form Elements: Menu



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Dynamic Form Elements: Output

- The form is generated with a dynamic menu form object



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Exercise 7

- Creating an Insert Form

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Updating Rows

- Two ways:
 - Record Update Form AO
 - Manually create a form and apply an Update Record server behavior

Creating an update interface

- Create some mechanism to choose a row to update and pass an identifier of the row you wish to update
 - List page

Using Recordset Update AO

- Create update page
 - Select row to be updated using the URL parameter

Record Update AO Dialog

- Add Record Update Form AO to page

Record Update AO: Output

- Update form is created and update logic is executed

Exercise 8

- Creating an update form

Thank you!



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